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2 What is claimed is:

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4       1. An illuminating apparatus for illuminating a container  
5       label on a container receptacle, comprising:

6           a) a container cap for attaching to the container  
7       receptacle;

8           b) at least one illumination source at least partially  
9       enclosed by said container cap; and

10          c) said container cap is adapted to direct a plurality  
11       of light beams from said at least one illumination source  
12       to the container label, said plurality of light beams  
13       produced by said at least one illumination source.

14

15          2. The illuminating apparatus according to claim 1,  
16       wherein:

17           said container cap includes means for removable  
18       attachment to the container receptacle.

19

20          3. The illuminating apparatus according to claim 1,  
21       wherein:

22           said container cap includes means for removable  
23       attachment to a conventional container cap element of

1           the container receptacle.

2           4. The illuminating apparatus according to claim 1,

3           wherein:

4                 5. The illuminating apparatus according to claim 4,

7                 6. The illuminating apparatus according to claim 5,

8                 wherein:

9                 10                 said container cap insert cover is attached to  
10                 11                 said container cap, and movement of said container  
11                 12                 cap insert cover operates to energize said at least  
12                 13                 one illumination source.

14                 15                 6. The illuminating apparatus according to

16                 claim 5, wherein:

17                 18                 a downward movement of said container cap  
17                 19                 insert cover energizes said at least one  
18                 20                 illumination source.

20                 21                 7. The illuminating apparatus according to

22                 claim 6, wherein:

23                 said downward movement energizes said at

1                   least one illumination source for a preset  
2                   period of time.

3  
4       8. The illuminating apparatus according to claim 1,  
5       wherein:

6                   said container cap includes a container cap side,  
7                   and a side-mounted flexible membrane material is  
8                   attached to said container cap side.

9  
10      9. The illuminating apparatus according to claim 8,  
11      wherein:

12                  said side-mounted flexible membrane  
13                  material is adapted to be moved inwardly to  
14                  energize said at least one illumination source.

15  
16      10. The illuminating apparatus according to claim 1,  
17      wherein:

18                  said container cap includes an electrical switch to  
19                  energize said at least one illumination source.

20  
21      11. The illuminating apparatus according to claim 1,  
22      wherein:

23                  said at least one illumination source is at least

1       one light emitting diode.

2

3       12. The illuminating apparatus according to claim 1,  
4       wherein:

5               said container cap includes at least one energy  
6       source for producing an electrical current.

7

8       13. The illuminating apparatus according to claim  
9       12, wherein:

10              said container cap includes a means for  
11       reducing said electrical current used by said at  
12       least one illumination source.

13

14       14. The illuminating apparatus according to  
15       claim 13, wherein:

16              said means for reducing varies the  
17       brightness of said at least one illumination  
18       source.

19

20       15. The illuminating apparatus according to  
21       claim 13, wherein:

22              said means for reducing is a potentiometer,

1                   resistor, or astable multivibrator circuit.

2

3         16. The illuminating apparatus according to claim 1,  
4                   wherein:

5                   said container cap includes one or more surfaces  
6                   to direct said plurality of light beams from said at  
7                   least one illumination source to the container label.

8

9         17. The illuminating apparatus according to claim  
10                  16, wherein:

11                  said surfaces are provided with one or more  
12                  optical coatings, and at least one of said optical  
13                  coatings is a reflective coating.

14

15         18. The illuminating apparatus according to claim 1,  
16                  wherein:

17                  said container cap includes a printed circuit  
18                  board, said printed circuit board contains said at  
19                  least one illumination source mounted to emit said  
20                  plurality of light beams toward the container label.

21

22         19. The illuminating apparatus according to claim 1,  
23                  wherein:

1           said container cap includes at least one filter  
2           cover.

3  
4           20. The illuminating apparatus according to claim  
5           19, wherein:

6                 said at least one filter cover changes the  
7                 color of said plurality of light beams.

8  
9           21. The illuminating apparatus according to claim  
10          19, wherein:

11                 said at least one filter cover diffuses said  
12                 plurality of light beams.

13  
14          22. The illuminating apparatus according to claim  
15          19, wherein:

16                 said at least one filter cover focuses said  
17                 plurality of light beams onto the container label.

18  
19          23. An illuminating apparatus for illuminating a label on  
20          a container comprising:

- 21                 a) housing means couplable to the container and  
22                 having at least one output opening;  
23                 b) illumination means within said housing means for

1 creating at least one lightwave; and  
2 c) controlling means within said housing means for  
3 controlling said illumination means.

4

5 24. The illuminating apparatus according to claim 23,  
6 wherein:

7       said housing means includes a means for removably  
8 attaching said housing means to one of (i) a  
9 receptacle of the container, and (ii) a conventional  
10 container cap element of the container.

11

12 25. The illuminating apparatus according to claim 23,  
13 wherein:

14       said means for controlling said illumination  
15 means includes,

16           (i) an electrical energy means for energizing  
17                said illumination means;  
18           (ii) an electrical current limiting means for  
19                limiting an electrical current  
20                to said illumination means; and  
21           (iii) an electrical switching means for  
22                electrically connecting said electrical

1 energy means to said illumination means.

2

3           26. The illuminating apparatus according to claim  
4           23, further comprising:

5 d) guiding means within said housing means for  
6 directing said lightwave from said illumination  
7 means to the container label.

8

9       27. An illuminating apparatus for illuminating a container  
10      label on a container receptacle, comprising:

means coupled to the container receptacle to illuminate the label.

13

14           28. The illuminating apparatus according to claim 27,  
15           wherein:

16               said means is a cap coupled to the container  
17               receptacle, said cap including at least one activatable  
18               illumination source.

19

20           29. The illuminating apparatus according to claim 27,  
21           wherein:

22                   said means is a base into which the container  
23                   receptacle is removably coupled, said base including at

1           least one activatable illumination source.

2

3       30. An illuminating apparatus for illuminating a container  
4       label, comprising:

5           a container receptacle having a wall with an outer  
6       surface; a container cap removably couples to said  
7       container receptacle and includes means for illuminating  
8       said outer surface of said container receptacle.

9

10      31. An illuminating apparatus for illuminating a container  
11       label, comprising:

12           a container receptacle having a wall with an outer  
13       surface; said container receptacle couples to a base and  
14       includes means for illuminating said outer surface of said  
15       container receptacle.

16

17      32. A method of illuminating a label of a container,  
18       comprising the steps of:

19           a) coupling an illumination source to the container;  
20       and

21           b) illuminating the label of the container with said  
22       illumination source.

23

1           33. A method according to claim 32, wherein:  
2                 said coupling and said illuminating includes  
3                 providing illumination for a medicine container.  
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